Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/03/2015 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124232	-1	2.46	124083	2.46
Blue	F	SSC	125000	124252	-1	3.51	125132	3.27
Blue	E	FITC	17998	17184	-5	2.49	967	8.22
Blue	D	PE	23234	22597	-3	2.08	1020	7.62
Blue	B	PerCP-Cy5-5	69571	68238	-2	2.78	1798	12.18
Blue	A	PE-Cy7	77815	78129	0	3.78	1026	22.90
Red	C	APC	65936	65813	-1	2.42	3718	7.66
Red	A	APC-Cy7	100669	100231	-1	2.50	1986	7.58
Violet	B	V450	10405	9928	-5	3.95	616	8.42
Violet	A	V500	47250	46082	-3	3.63	2603	6.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19639	9.68	588	9	N/A	N/A	Pass
Blue	F	SSC	62085	2.27	503	14	N/A	N/A	Pass
Blue	E	FITC	107	32.95	519	4	0.0304	123	Pass
Blue	D	PE	212	23.32	512	5	0.1968	144	Pass
Blue	B	PerCP-Cy5-5	219	36.26	596	6	0.0130	0	Pass
Blue	A	PE-Cy7	77	88.96	653	7	0.0176	7	Pass
Red	C	APC	347	25.27	578	0	0.0240	45	Pass
Red	A	APC-Cy7	125	35.74	559	0	0.0052	596	Pass
Violet	B	V450	64	44.31	459	9	0.0461	2058	Pass
Violet	A	V500	170	21.36	499	11	0.0147	130	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.54	-31.33	0.74
Blue	20.48	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.19
Red	16.94	13.07 - 19.61	N/A	N/A	31.91	32.19	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10271

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments